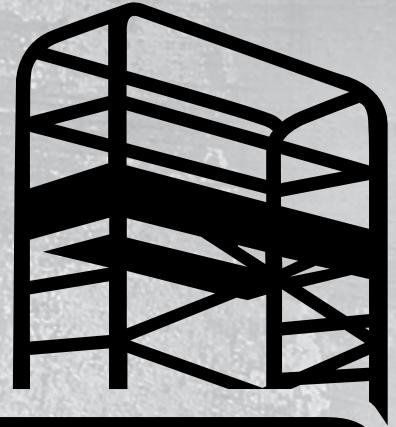


ACTION

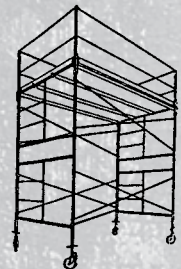
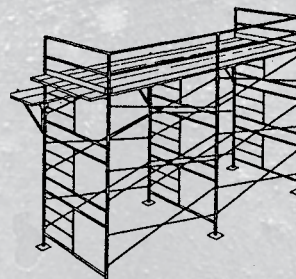
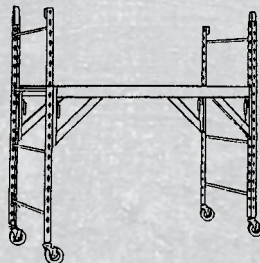
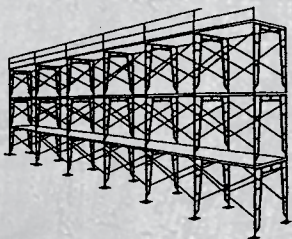


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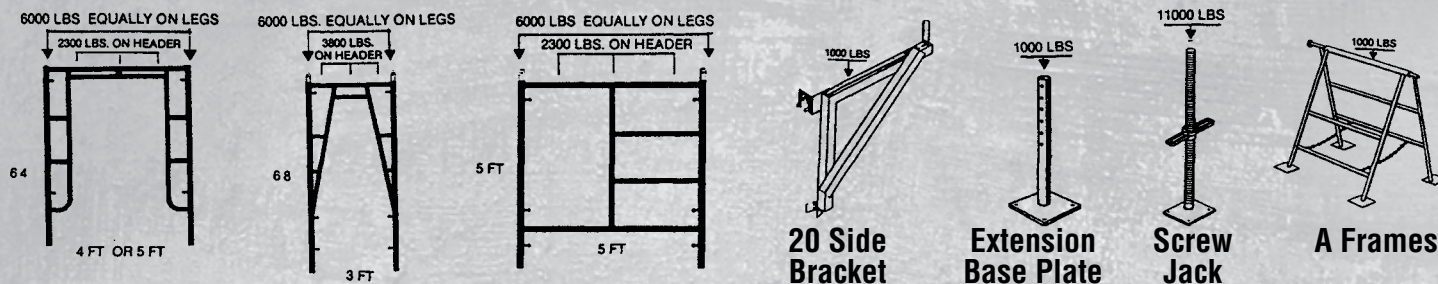
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Las Cruces South
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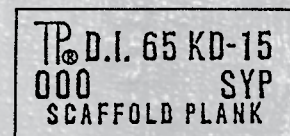
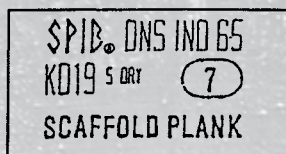
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SCAFFOLD LOAD CAPACITY CHART



All recommended leg load capacities are based on an individual frame (1 tier) braced on both sides using a forty-eight (48) inch lock spacing with no extension in the top or bottom of the frame. All recommended header load capacities are based on a uniformly distributed load. The chart reflects a 4:1 minimum safety factor as required by the Federal Occupational Safety and Health Act regulations and as recommended by the Scaffolding Industry Association.

GRADING OF SCAFFOLD PLANK



1926 451 Subpart L Appendix (A) (b)

Solid sawn wood used as scaffold planks shall be selected for such use following the grading rules established by a recognized lumber grading association or by an independent lumber grading inspection agency. Such planks shall be identified by the grade stamp of such association or agency. The association or agency and the grading rules under which the wood is graded shall be certified by the Board of Review American Lumber Standard Committee as set forth in the American Softwood Lumber Standard of the US Department of Commerce.

Shown here are three examples of scaffold plank grade stamps recognized by the AMERICAN LUMBER STANDARDS COMMITTEE (A L S C). A registered trademark usually follows the grading agency logo. Shown here are the WEST COAST LUMBER INSPECTION BUREAU (WCLB), SOUTHERN PINE INSPECTION BUREAU (SPIB)

and TIMBER PRODUCTS INSPECTION (TP). In these examples of scaffold plank, both Douglas Fir (D FIR) and Southern Yellow Pine (SYP) are represented. Their grades and abbreviations are as follows. Douglas Fir (DENSE PREMIUM SCAF PLK) and Southern Yellow Pine (DENSE IND 65, DNS IND 65 and DI 65). Plank strength and deflection are affected by moisture content. To be considered dry, moisture content must not exceed 19%. Planks dried in a kiln are referred to as kiln dried (KD) to a specific moisture content. Examples found in these stamps are KD KD19 S-DRY and KD-15. The mill number indicates where and by what mill the scaffold plank was graded. All grading agencies have a roster in which all mills and their mill numbers are listed. The most important description on a scaffold plank grade stamp is the name SCAFFOLD PLANK or SCAF PLK. If it is not stamped SCAFFOLD PLANK or SCAF PLK then do not accept it as scaffold plank.

NEW OSHA STANDARDS

Training Requirements 1926 454 (b) (1-4)

Effective November 29, 1996, the employer shall have each employee who is involved in erecting, disassembling, moving, operating, repairing, maintaining or inspecting scaffold trained by a competent person to recognize any hazards associated with the work in question. The training shall include the following topics, as applicable: (1) The nature of scaffold hazards (2) The correct procedures for erecting, disassembling, moving, operating, repairing, inspecting and maintaining the type of scaffold in question (3) The design criteria maximum intended load carrying capacity and intended use of the scaffold (4) Any other pertinent requirement of this subpart.

Access 1926 451 (e) (9) (i-iv)

Effective September 2, 1997 access for employees erecting or dismantling supported scaffolds shall be in accordance with the following: (i) The employer shall provide safe means of access for each employee erecting or dismantling scaffolds where the provision of safe access is feasible and does not create a greater hazard. The employer shall have a competent person determine whether it is feasible or would pose a greater hazard to provide and have employees

use a safe means of access. This determination shall be based on site conditions and the type of scaffold being erected or dismantled (ii) Hook-on or attachable ladders shall be installed as soon as scaffold erection has progressed to a point that permits safe installation and use. (iii) When erecting or dismantling tubular welded frame scaffolds, (end) frames, with horizontal members that are parallel, level and are not more than 22 inches apart vertically may be used as climbing devices for access, provided they are erected in a manner that creates a usable ladder and provides good hand hold and foot space. (iv) Cross braces on tubular welded frame scaffolds shall not be used as a means of access or egress.

Fall Protection 1926 451 (g) (2)

Effective September 2, 1997, the employer shall have a competent person determine the feasibility and safety of providing fall protection for employees erecting or dismantling supported scaffolds. Employers are required to provide fall protection for employees erecting or dismantling supported scaffold where the installation and use of such protection is feasible and does not create a greater hazard.

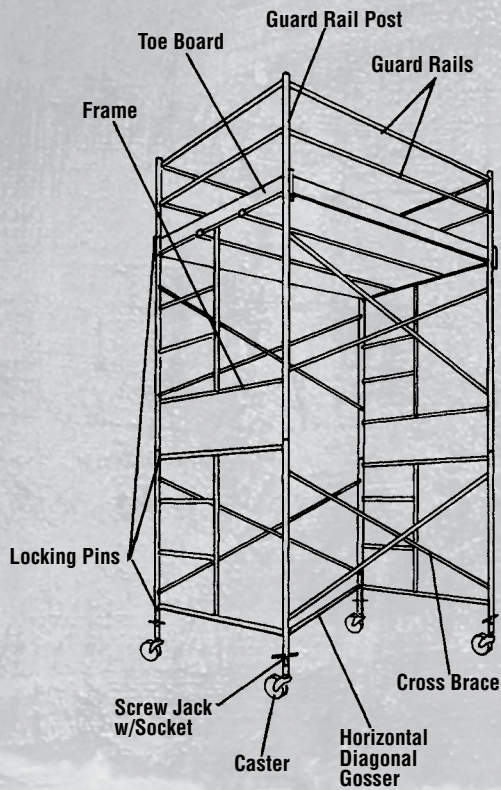
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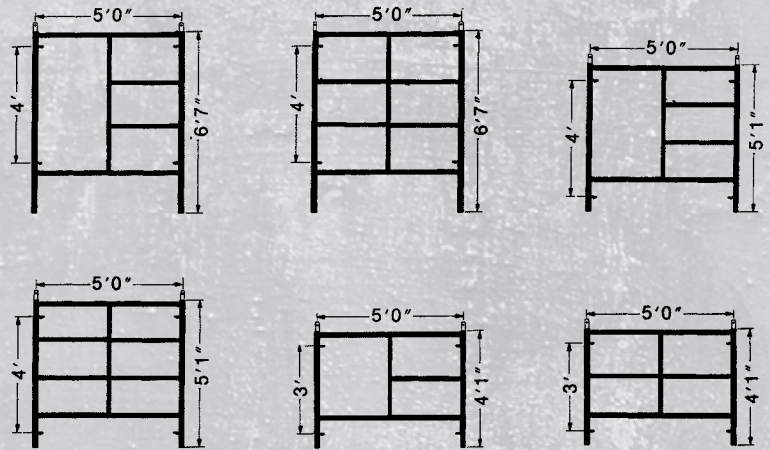
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ROLLING SCAFFOLD



Frames are made 5' wide by 4', 5' or 6' 7" high. Single ladder frames denote horizontal rungs on only one side of the frame. Double ladder frames denote horizontal rungs on both sides. Rolling scaffold height is increased by simply adding more frames to scaffold. (Note OSHA codes regarding height to base ratios)



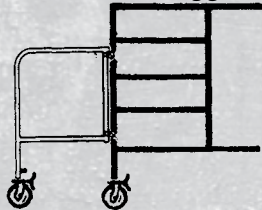
ACCESSORIES

Plank

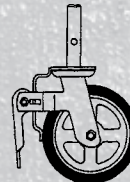


Providing ease in erection and dismantling three planks fill a 5' frame with no over hang installation by double thick offset hook lock clamps and notched decks is quick

Outrigger



Caster

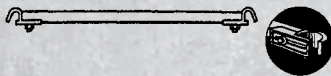


8 rubber caster that locks on the wheel and stem

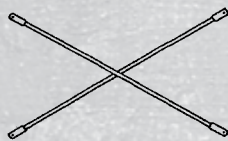
Socket Screw-Jack



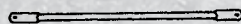
Horizontal Gosser



Cross Braces



Guard Rails



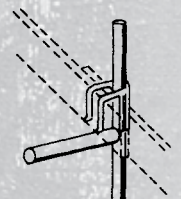
Gravity Pin



Toggle Pin



Toe Board Clip



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**CODE OF SAFE PRACTICES FOR
FRAME SCAFFOLDS, SYSTEM SCAFFOLDS, TUBE AND CLAMP SCAFFOLDS & ROLLING SCAFFOLDS
DEVELOPED FOR INDUSTRY BY SCAFFOLDING, SHORING & FORMING INSTITUTE (SSFI)
and SCAFFOLD INDUSTRY ASSOCIATION, INC. (SIA)**

It shall be the responsibility of all users to read and comply with the following common sense guidelines which are designed to promote safety in the erecting, dismantling and use of Scaffolds. These guidelines do not purport to be all inclusive nor to supplant or replace other additional safety and precautionary measures to cover usual or unusual conditions. If these guidelines in any way conflict with any state, local, provincial, federal or other government statute or regulation, said statute or regulation shall supersede these guidelines and it shall be the responsibility of each user to comply therewith.

I. GENERAL GUIDELINES

- A. **POST THESE SCAFFOLDING SAFETY GUIDELINES** in a conspicuous place and be sure that all persons who erect, dismantle, or use scaffolding are aware of them, and also use them in tool box safety meetings.
- B. **FOLLOW ALL STATE, LOCAL AND FEDERAL CODES, ORDINANCES AND REGULATIONS** pertaining to scaffolding.
- C. **SURVEY THE JOB SITE.**
A survey shall be made of the job site by a competent person for hazards, such as untamped earth fills, ditches, debris, high tension wires, unguarded openings, and other hazardous conditions created by other trades. These conditions should be corrected or avoided as noted in the following sections.
- D. **INSPECT ALL EQUIPMENT BEFORE USING.**
Never use any equipment that is damaged or defective in any way. Mark it or tag it as defective. Remove it from the job site.
- E. **SCAFFOLDS MUST BE ERECTED IN ACCORDANCE WITH DESIGN AND/OR MANUFACTURERS' RECOMMENDATIONS.**
- F. **DO NOT ERECT, DISMANTLE OR ALTER A SCAFFOLD** unless under the supervision of a competent person.
- G. **DO NOT ABUSE OR MISUSE THE SCAFFOLD EQUIPMENT.**
- H. **ERECTED SCAFFOLDS SHOULD BE CONTINUALLY INSPECTED** by users to be sure that they are maintained in safe condition. Report any unsafe condition to your supervisor.
- I. **NEVER TAKE CHANCES! IF IN DOUBT REGARDING THE SAFETY OR USE OF THE SCAFFOLD, CONSULT YOUR SCAFFOLD SUPPLIER.**
- J. **NEVER USE EQUIPMENT FOR PURPOSES OR IN WAYS FOR WHICH IT WAS NOT INTENDED.**
- K. **DO NOT WORK ON SCAFFOLDS** if your physical condition is such that you feel dizzy or unsteady in any way.
- L. **DO NOT WORK UNDER THE INFLUENCE** of alcohol or illegal drugs.

II. GUIDELINES FOR ERECTION AND USE OF SCAFFOLDS

- A. **SCAFFOLD BASE MUST BE SET ON BASE PLATES AND AN ADEQUATE SILL OR PAD** to prevent slipping or sinking and fixed thereto where required. Any part of a building or structure used to support the scaffold shall be capable of supporting the maximum intended load to be applied.
- B. **USE ADJUSTING SCREWS** or other approved methods to adjust to uneven grade conditions.
- C. **BRACING, LEVELING & PLUMBING OF FRAME SCAFFOLDS-**
 - 1. Plumb and level all scaffolds as erection proceeds. Do not force frames or braces to fit. Level the scaffold until proper fit can be easily made.
 - 2. Each frame or panel shall be braced by horizontal bracing, cross bracing, diagonal bracing or any combination thereof for securing vertical members together laterally. All brace connections shall be made secure, in accordance with the manufacturer's recommendations.
- D. **BRACING, LEVELING & PLUMBING OF TUBE & CLAMP AND SYSTEM SCAFFOLDS-**
 - 1. Posts shall be erected plumb in all directions, with the first level of runners and bearers positioned as close to the base as feasible. The distance between bearers and runners shall not exceed manufacturer's recommendations.
 - 2. Plumb and level all scaffolds as erection proceeds.
 - 3. Fasten all couplers and/or connections securely before assembly of next level.
 - 4. Vertical and/or horizontal diagonal bracing must be installed according to manufacturer's recommendations.
- E. **WHEN FREE STANDING SCAFFOLD TOWERS** exceed a height of four (4) times their minimum base dimension, they must be restrained from tipping. (CAL/OSHA and some government agencies require stricter ratio of 3 to 1.)
- F. **TIE CONTINUOUS (RUNNING) SCAFFOLDS TO THE WALL OR STRUCTURE** at each end and at least every 30 feet of length in between when scaffold height exceeds the maximum allowable free standing dimension. Install additional ties on taller scaffolds as follows: On scaffolds 3 feet or narrower in width, subsequent vertical ties shall be repeated at intervals no greater than every 20 feet. On scaffolds wider than 3 feet, subsequent vertical ties shall be repeated at intervals not greater than 26 feet. The top tie shall be installed as close to the top of the platform as possible; however, no lower from the top than 4 times the scaffold's minimum base dimension. Ties must prevent the scaffold from tipping either into or away from the structure. Stabilize circular or irregular scaffolds in such a manner that the completed scaffold is secure from tipping. Place ties near horizontal members. When scaffolds are fully or partially enclosed, or when scaffolds are subjected to overturning loads, additional ties may be required. Consult a qualified person.
- G. **DO NOT ERECT SCAFFOLDS NEAR ELECTRICAL POWER LINES.**
Consult a qualified person for advice.
- H. **ACCESS SHALL BE PROVIDED TO ALL PLATFORMS.**
Do not climb cross braces or diagonal braces.
- I. **PROVIDE A GUARDRAIL SYSTEM, FALL PROTECTION AND TOE BOARDS WHERE REQUIRED BY THE PREVAILING CODE.**

J. BRACKETS AND CANTILEVERED PLATFORMS-

- 1. Brackets for system scaffolds shall be installed and used in accordance with manufacturer's recommendations.
 - 2. Brackets for frame scaffolds shall be seated correctly with side bracket parallel to the frames and end brackets at 90 degrees to the frames. Brackets shall not be bent or twisted from normal position.
 - 3. Brackets (except mobile brackets designed to carry materials) are to be used as work platforms only and shall not be used for storage of material or equipment.
 - 4. Cantilevered platforms shall be designed, installed and used in accordance with manufacturers' recommendations.
- K. ALL SCAFFOLDING COMPONENTS** shall be installed and used in accordance with the manufacturers' recommended procedure. Components shall not be altered. Scaffold frames and their components manufactured by different companies shall not be intermixed, unless the component parts readily fit together and the resulting scaffold's structural integrity is maintained by the user.
- L. PLANKING-**
- 1. Working platforms shall cover scaffold bearer as completely as possible. Only scaffold grade wood planking, or fabricated planking and decking meeting scaffold use requirements shall be used. Planks and platforms should rest on bearers only.
 - 2. Check each plank prior to use to be sure plank is not warped, damaged, or otherwise unsafe.
 - 3. Planking shall have at least 12" overlap and extend 6" beyond center of support, or be cleated or restrained at both ends to prevent sliding off supports.
 - 4. Solid sawn lumber, LVL (laminated veneer lumber) or fabricated scaffold planks and platforms (unless cleated or restrained) shall extend over their end supports not less than 6" nor more than 18". This overhang should be guardrailed to prevent access.

M. FOR "PUTLOGS" AND "TRUSSES" THE FOLLOWING ADDITIONAL GUIDELINES APPLY:

- 1. Do not cantilever or extend putlogs/trusses as side brackets without thorough consideration of loads to be applied.
- 2. Install and brace put logs and trusses in accordance with manufacturer's instructions.

N. FOR ROLLING SCAFFOLDS THE FOLLOWING ADDITIONAL GUIDELINES APPLY:

- 1. **RIDING A ROLLING SCAFFOLD IS VERY HAZARDOUS.** The SSFI and the SIA do not recommend nor encourage this practice.
- 2. Casters with plain stems shall be attached to the frames or adjustment screws by pins or other suitable means.
- 3. No more than 12 inches of the screw jack shall extend between the bottom of the adjusting nut and the top of the caster.
- 4. Wheels or casters shall be locked to prevent caster rotation and scaffold movement when scaffold is in use.
- 5. Joints shall be restrained from separation.
- 6. Use horizontal diagonal bracing near the bottom and at 20 foot intervals measured from the rolling surface.
- 7. Do not use brackets or other platform extensions without compensating for the overturning effect.
- 8. The top platform height as measured from the rolling surface of a rolling scaffold must not exceed four (4) times the smallest base dimension (CAL/OSHA and some government agencies require a stricter ratio of 3:1).
- 9. Cleat or secure all plank.
- 10. Secure or remove all materials and equipment from platform before moving.
- 11. Do not attempt to move a rolling scaffold without sufficient help - watch out for holes in floor and overhead obstructions - stabilize against tipping.

O. SAFE USE OF SCAFFOLD-

- 1. Prior to use, inspect scaffold to insure it has not been altered and is in safe working condition.
- 2. Erected scaffolds and platforms should be inspected continuously by those using them.
- 3. Exercise caution when entering or leaving a work platform.
- 4. Do not overload scaffold. Follow manufacturer's safe working load recommendations.
- 5. Do not jump onto planks or platforms.
- 6. **DO NOT USE ladders or makeshift devices** to increase the working height of a scaffold. Do not plank guardrails to increase the height of a scaffold.
- 7. Climb in access areas only and use both hands.

III. WHEN DISMANTLING SCAFFOLDING THE FOLLOWING ADDITIONAL GUIDELINES APPLY:

- A. Check to assure scaffolding has not been structurally altered in a way which would make it unsafe and, if it has, reconstruct and/or stabilize where necessary before commencing with dismantling procedures. This includes all scaffold ties.
- B. Visually inspect planks prior to dismantling to be sure they are safe.
- C. Do not remove a scaffold component without considering the effect of that removal.
- D. Do not accumulate excess components or equipment on the level being dismantled.
- E. Do not remove ties until scaffold above has been dismantled to that level.
- F. Lower dismantled components in an orderly manner. Do not throw off of scaffold.
- G. Dismantled equipment should be stockpiled in an orderly manner.

Since field conditions vary and are beyond the control of the SSFI and the SIA, safe and proper use of scaffolding is the sole responsibility of the user. Reprinting of this publication does not imply approval of product by the Institute or indicate membership in the Institute. © Permission to reproduce in entirety can be obtained from: Scaffolding, Shoring & Forming Institute, 1300 Sumner Ave., Cleveland, Ohio 44115

SCAFFOLD ACCESSORIES

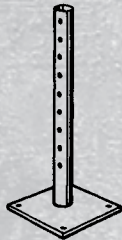
LEVELING JACKS



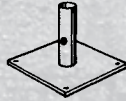
Screw Jack with Socket



Screw Jack with Plate



Extension Base Plate

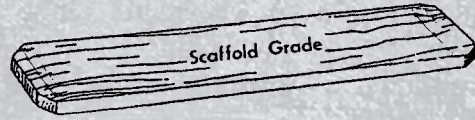


Base Plate

PLANKS



Aluminum Plank with Wood Deck

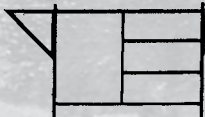


Southern Yellow Pine

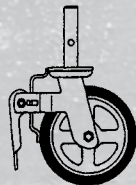


"Picks" up to 32' lengths

SIDE BRACKETS



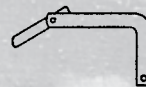
CASTER



LOCK PINS

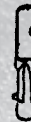
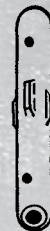


Gravity Pin



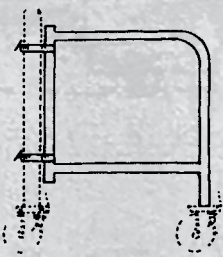
Toggle Pin

CONNECTING PIN



Spring Retainer

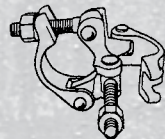
OUTRIGGER



CLAMPS

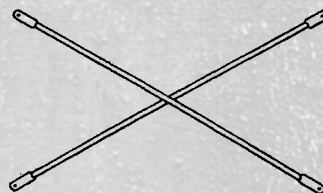


Swivel

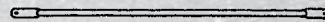


Right-Angle

CROSS BRACE



Guard Rail



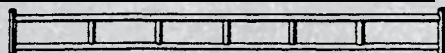
HOIST ARM



Guard Rail Post



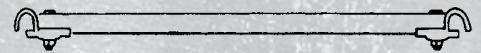
PUTLOGS - TRUSSES



SADDLE PIN



GOOSER



Horizontal & Diagonal

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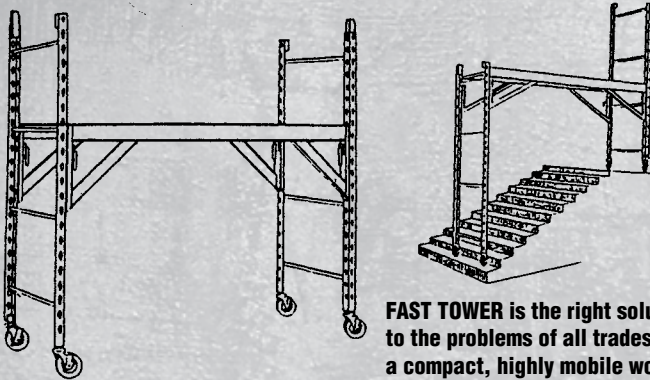
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ROLLING SCAFFOLD

NARROW WIDTHS

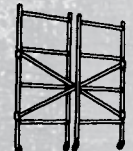
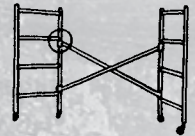
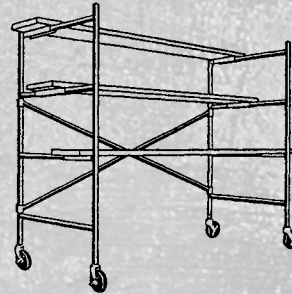
Fast Tower



FAST TOWER is the right solution to the problems of all trades requiring a compact, highly mobile work platform. Rigid, versatile, and easy storage.

28" wide - 72" long - 75" high

Mini Tower



Flat Folding For Easy Storage

4' & 6' heights

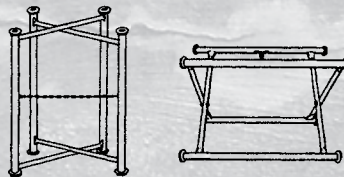
OTHER SCAFFOLDS

Folding Trestle



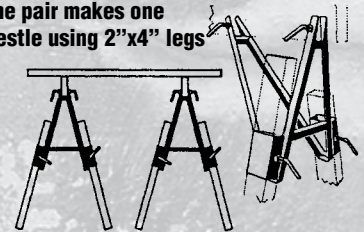
2' Folding Trestle
3' Folding Trestle
4' Folding Trestle
6' Folding Trestle
2' Extension
3' Extension

Mortar Board Stand

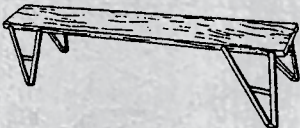


Jiffy Jack

One pair makes one trestle using 2"x4" legs



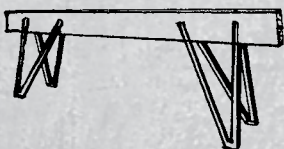
Flat Back



12"x10"
18"x 10"
24"x10"
30"x10"
36"x10"

8" Wide also Available

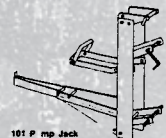
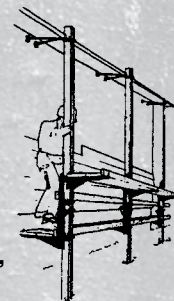
Shack Jack



16" Shack Jack
18" Shack Jack
20" Shack Jack
22" Shack Jack
24" Shack Jack
30" Shack Jack
36" Shack Jack

The Pump Jack system offers a unique way to do work on vertical surfaces up to 30 feet. The complete unit can be set up by one man and should take one hour for a typical installation, such as the one shown using 2"x4" wooden posts, the Pump Jack can be set up in less than 30" wide and still go up to 30 feet.

Pump Jack



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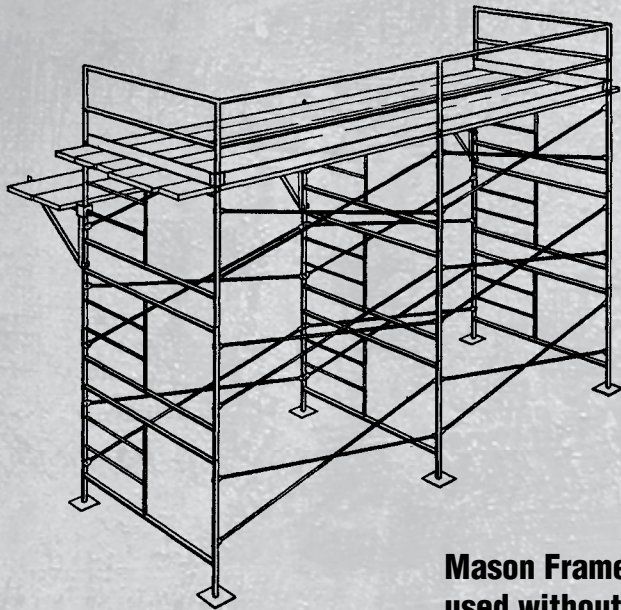
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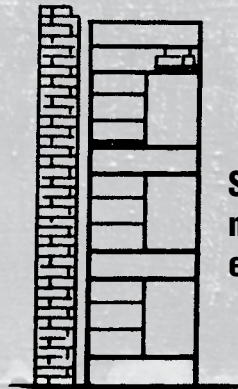
MASONRY SCAFFOLD



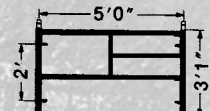
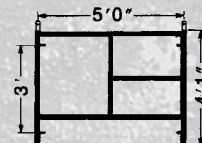
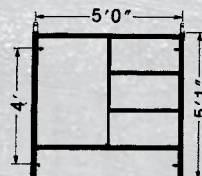
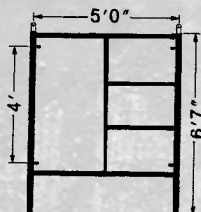
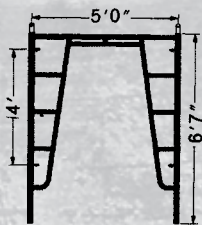
**Mason Frame
used without
side brackets**

Masonry trades prefer to use 5' wide frames that offer greater platform and material storage area. 7' bracing recommended for masonry and other heavy trades where heavy materials are stored on the scaffold.

The horizontal rungs, which are placed at 16" intervals, provide a handy, built-in ladder. Side brackets can be placed at these intervals.

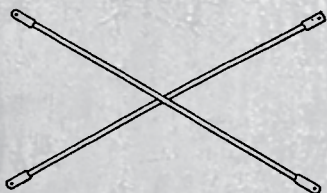


**Side brackets
may be attached
every 16"**

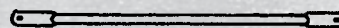
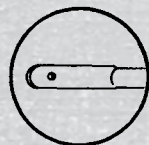


ACCESSORIES

Cross Brace



Guard Rail



**Guard Rail
Posts**



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PLASTER SCAFFOLD

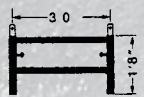
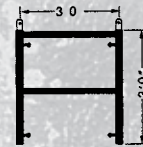
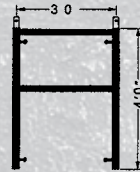
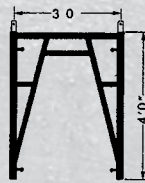
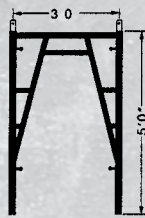
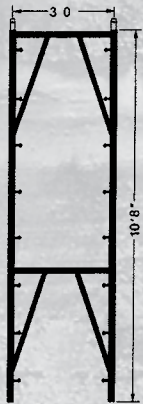
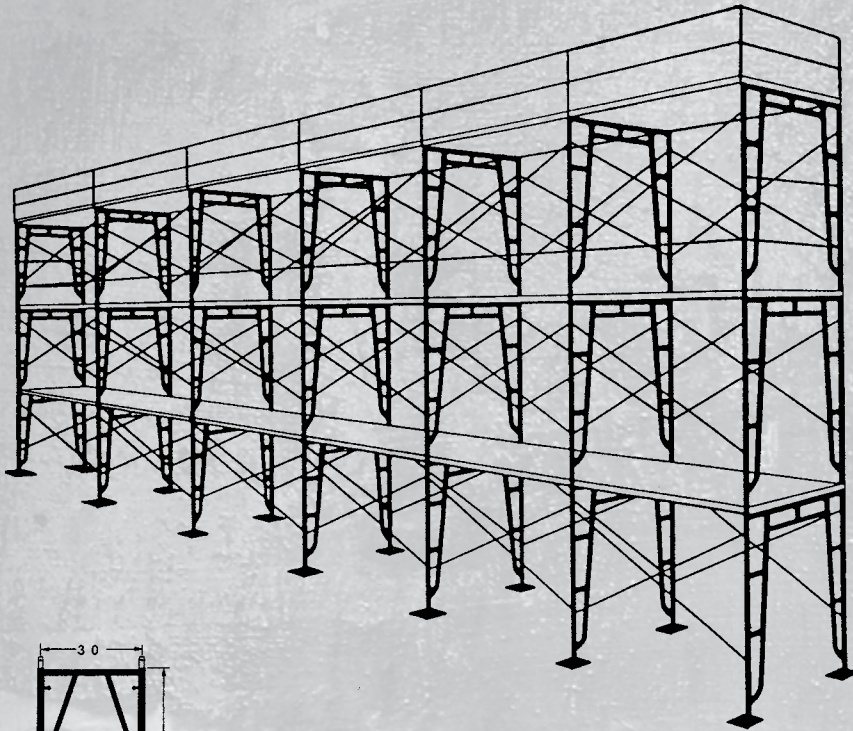
The walk-thru type frame is most popular for working on the exterior walls, (plastering, painting, lathing, wood siding) as it permits a worker to walk the entire length of the scaffold at any level. Frames of various heights can be combined to meet all elevation requirements.

We use 3' wide frames generally for the following reasons.

Personnel Safety – Guard rails are closer to personnel giving greater sense of security as well as protection.

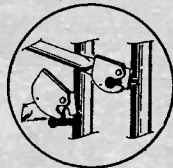
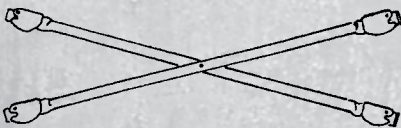
Lower Labor Costs – The lighter 3' wide frame is easier to handle and plank handing costs are substantially reduced.

Lower Material Costs – 3' wide frames and reduced plank costs, are lower.

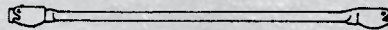


ACCESSORIES

Cross Brace



Guard Rail



Guard Rail Post



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